Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A permselective separation membrane which is characterized in that:
(a) the permselective separation membrane is made mainly of a polysulfone-based polymer and polyvinyl pyrrolidone;
(b) when bovine blood at a temperature of 37°C having hematocrit value of 30%, containing 6 to 7 g/dl of total proteins and sodium citrate added thereto is flowed through a module comprising the permselective separation membrane packed therein at a flow rate of 200 ml/min. and a filtration rate of 20 ml/min.,
(i) a sieving coefficient of albumin [A] becomes not less than 0.01 and not more than 0.1 after 15 minutes; and
(ii) a sieving coefficient of albumin [B] becomes not less than 0.005 and less than 0.04 after 2 hours.

2. (Original) The permselective separation membrane according to claim 1, wherein the sieving coefficient of albumin [B] after 2 hours is less than the sieving coefficient of albumin [A] after 15 minutes.

3. (Currently Amended) The permselective separation membrane according to claim 1 ~~or 2~~, wherein the sieving coefficient of albumin [A] after 15 minutes and the sieving coefficient of albumin [B] after 2 hours satisfy a relation of [B]/[A] = 0.1 to 0.4.

4. (Currently Amended) The permselective separation membrane according to claim 1 ~~any one of claims 1 to 3~~, wherein clearance of α1-microglobulin is not less than 15 ml/min (1.0 m^2).

5. (Currently Amended) The permselective separation membrane according to claim 1 ~~any one of claims 1 to 4~~, wherein the amount of α1-microglobulin adsorbed is within a range from 2.0 to 20 mg/m^2.

6. (Currently Amended) The permselective separation membrane according to claim 1 ~~one of claims 1 to 5~~, wherein a skin layer thickness of the permselective separation membrane is from 0.1 to 1.2 μm.

7. (Currently Amended) The permselective separation membrane according to claim 1 ~~any one of claims 1 to 6~~, wherein a membrane thickness of the permselective separation membrane is from 25 to 45 μm.

8. (Currently Amended) The permselective separation membrane according to claim 1 ~~any one of claims 1 to 7~~, wherein polyvinyl pyrrolidone is not substantially crosslinked.

9. (Currently Amended) The permselective separation membrane according to claim 1 ~~any one of claims 1 to 8~~, wherein the polyvinyl pyrrolidone content in the uppermost layer of a surface on the blood contacting side of the permselective separation membrane is from 20 to 40% by weight.

10. (Currently Amended) The permselective separation membrane according to claim 1 ~~any one of claims 1 to 9~~, wherein the polyvinyl pyrrolidone content in a layer near the surface on blood contacting side of the permselective separation membrane is from 5 to 20% by weight.

11. (Currently Amended) The permselective separation membrane according to claim 1 ~~any one of claims 1 to 10~~, wherein the polyvinyl pyrrolidone content in the surface on non-blood contacting side of the permselective separation membrane is from 25 to 50% by weight, and a

ratio [D]/[C] between the polyvinyl pyrrolidone content [D] in the uppermost layer of a surface on non-blood contacting side and the polyvinyl pyrrolidone content [C] in the uppermost layer of a surface on blood contacting side is 1.1 or higher.

12. (Currently Amended) The permselective separation membrane according to claim 1 ~~any one of claims 1 to 11~~, wherein an aperture ratio of the surface on blood contacting side of the permselective separation membrane is from 20 to 35%.

13. (Currently Amended) The permselective separation membrane according to claim 1 ~~any one of claims 1 to 12~~, wherein the permselective separation membrane is a hollow fiber membrane.

14. (Currently Amended) The permselective separation membrane according to claim 1 ~~any one of claims 1 to 13~~, wherein a burst pressure of the hollow fiber membrane is 0.5 MPa or higher.

15. (Currently Amended) The permselective separation membrane according to claim 1 ~~any one of claims 1 to 14~~, wherein thickness deviation of the hollow fiber membrane is 0.6 or more.

16. (Currently Amended) The permselective separation membrane according to claim 1 ~~any one of claims 1 to 15~~, wherein the amount of a hydrogen peroxide elution measured on the extract liquid taken from every one of 10 equal divisions of the hollow fiber membrane cut in the longitudinal direction is 5 ppm or less.

17. (Original) A method for producing a permselective separation membrane wherein, when a membrane forming solution and an internal liquid are discharged from a tube-in-orifice type nozzle, pass an air gap and are solidified in a solidification bath,

the membrane forming solution is constituted from a polysulfone-based polymer, polyvinyl pyrrolidone and a solvent;

the ratio of polyvinyl pyrrolidone content to polysulfone-based polymer content is from 10 to 18% by weight;

the internal liquid is an aqueous solution containing 30 to 60% by weight of amide-based solvent; and

a liquid temperature of the internal liquid is set 30 to 60°C lower than the temperature of the membrane forming solution and the liquid temperature is from 0 to 40°C when discharged.

18. (Original) The method for producing a permselective separation membrane according to claim 17, wherein the tube-in-orifice type nozzle is an internal liquid thermal medium circulation type block.

19. (Currently Amended) The method for producing a permselective separation membrane according to claim 17 ~~or 18~~, wherein the tube-in-orifice type nozzle has a ratio of the maximum nozzle slit width to the minimum width within a range from 1.00 to 1.11.

20. (Currently Amended) The method for producing a permselective separation membrane according to claim 17 ~~any one of claims 17 to 19~~, wherein the membrane forming solution is filtered by means of a filter having a mesh size of 25 μm or smaller.

21. (Currently Amended) The method for producing a permselective separation membrane according to claim 17 ~~any one of claims 17 to 20~~, wherein polyvinyl pyrrolidone having a hydrogen peroxide content of 300 ppm or lower is used as the raw material.